

M. grisea	MSARGFSKALRPMARQLATPAVQRRSFVAASSMVRATR--KAAVAPTQQQ
N. crassa	MAARNCTKALRPLARQLATPAVQRRTFVAAASAVRASVAVKAVAAPARQQ
S. cerevisae	--MLRTQAARLICNSRVITAK--RTFALATRAAAYSRP-AARFVKPMIT
	. . * * . . * * *
M. grisea	IRGVKTMDFAGHKEQVWERADWPKEKLLEYFKDDTLALIGYGSQGHGQGL
N. crassa	VRGVKTMDFAGHKEEVHERADWPAEKLLDYFKNDTLALIGYGSQGHGQGL
S. cerevisae	TRGLKQINFGGTVETVYERADWPREKLLDYFKNDTFALIGYGSQGYGQGL
	* * . . *
M. grisea	NLRDNGLNVIIGVRKDGKSWKDAVQDGWVPGKNLFEVDEAISRGTVIMNL
N. crassa	NLRDNGLNVIIGVRKNGKSWEDAIQDGWVPGKNLFDVDEAISRGTVIMNL
S. cerevisae	NLRDNGLNVIIGVRKDGASWKAIEDGWVPGKNLFTVEDAIKRGSYVMNL
	* *
M. grisea	LSDAAQSETWPALKPQITKGKTLYFSHGFSVPFKDLTKVEVPTDVDVILC
N. crassa	LSDAAQSETWPHIKPQITKGKTLYFSHGFSVPFKDLTKVEVPTDVDVILV
S. cerevisae	LSDAAQSETWPAIKPLLTKGKTLYFSHGFSVPFKDLTHVEPPKDLVDVILV
	* *
M. grisea	APKGSGRTVRSLFREGRGINSSFAVYQDVTGEAEKAIALGVAIGSGYLY
N. crassa	APKGSGRTVRSLFREGRGINSSFAVYQDVTGKAKEKAVALGVAVGSGYLY
S. cerevisae	APKGSGRTVRSLFKEGRGINSSYAVWNDVTGKAHEKAQALAVAIGSGYVY
	* *
M. grisea	KTTFEKEVYSDLYGERGCLMGGIHGMFLAQYEVLRERGHSPSEAFNETVE
N. crassa	ETTFEKEVYSDLYGERGCLMGGIHGMFLAQYEVLRERGHSPSEAFNETVE
S. cerevisae	QTTFEREVNSDLYGERGCLMGGIHGMFLAQYDVLRENGHSPSEAFNETVE
	* *
M. grisea	EATQSLYPLIGANGMDWMEACSTTARRGAIDWSPRFKDALKPVFNQLYD
N. crassa	EATQSLYPLIGAHGMDWMFDACSTTARRGAIDWTPKFKDALKPVFNQLYD
S. cerevisae	EATQSLYPLIGKYGMDYMDACSTTARRGALDWYPFKNALKPVFQDLYE
	* *
M. grisea	SVKDGSETQRS LDYNSQPDYREKYEAEMEEIRNLEIWRAGKAVRSLRPEN
N. crassa	SVKNGDERKRSLEYNSQPDYRERYEAELEIRNLEIWRAGK--RSLRPEN
S. cerevisae	STKNGTETKRSLEFNSQPDYREKLEKELDTIRNMEIWKVGKEVRKLRPEN
	* *
M. grisea	QKQK
N. crassa	QK--
S. cerevisae	Q---
	*

Fig. 1

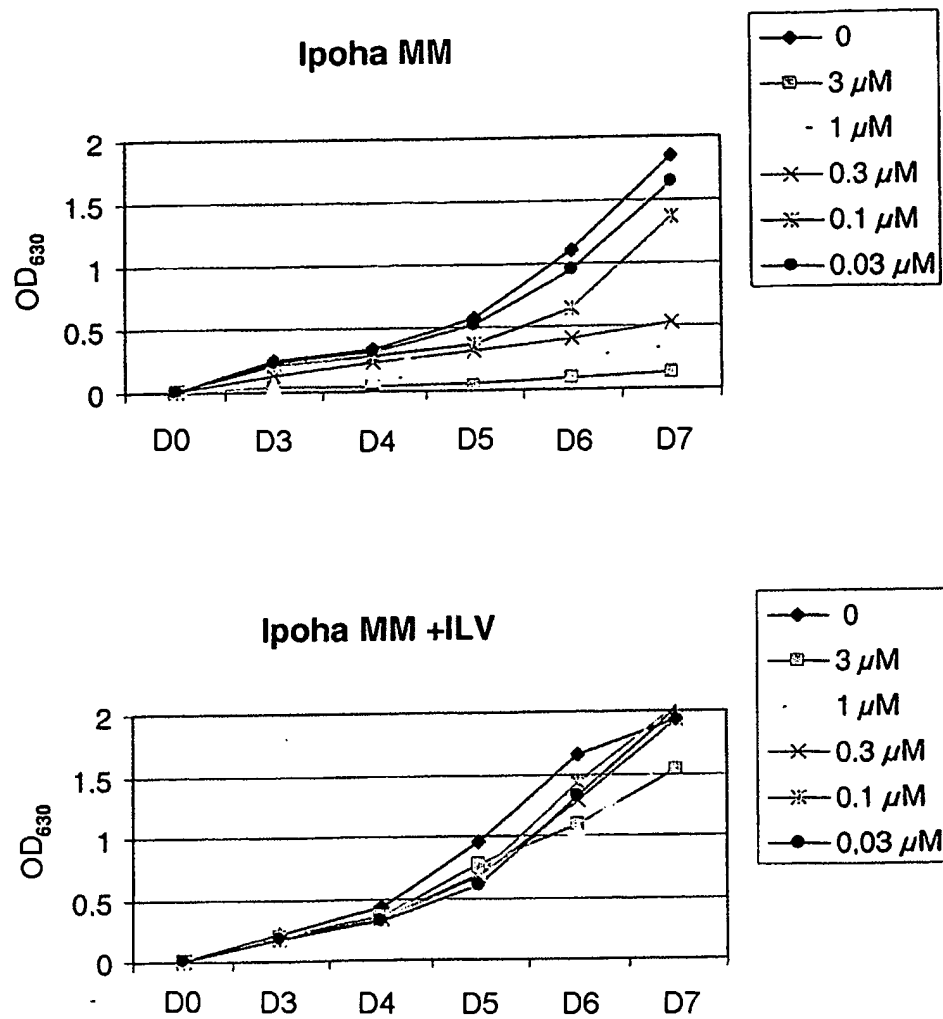


Fig. 2

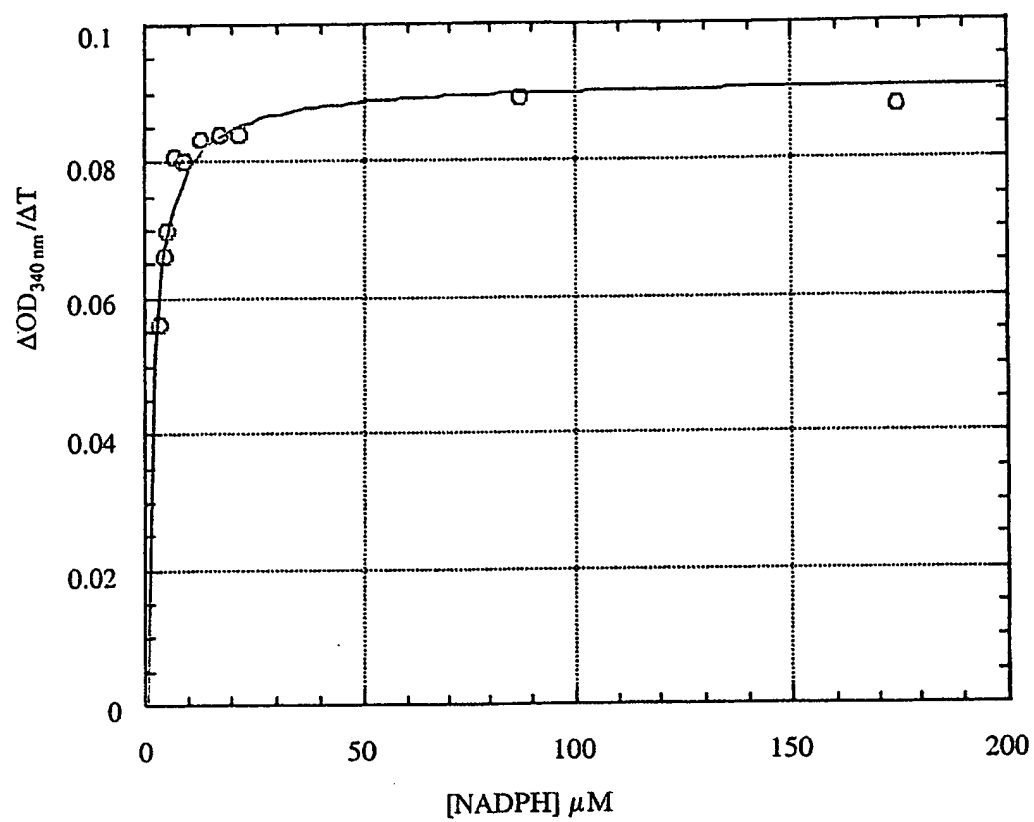
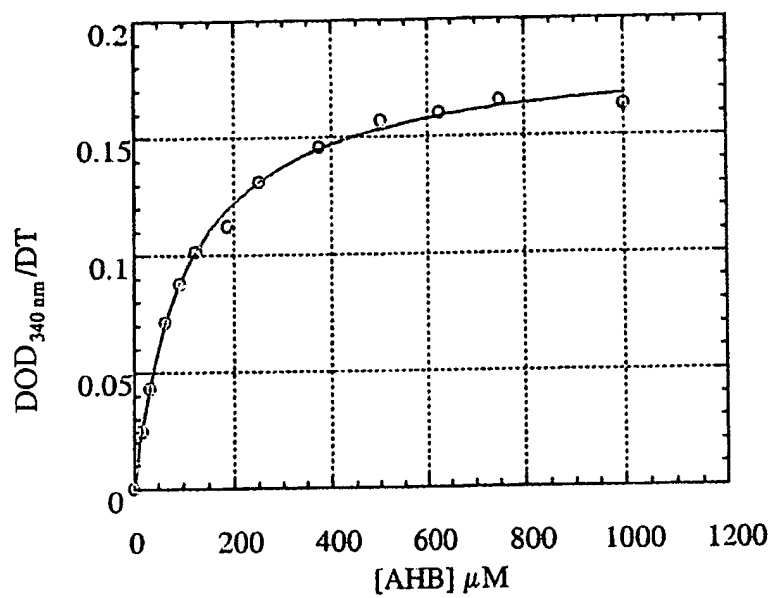


Fig. 3

A



B

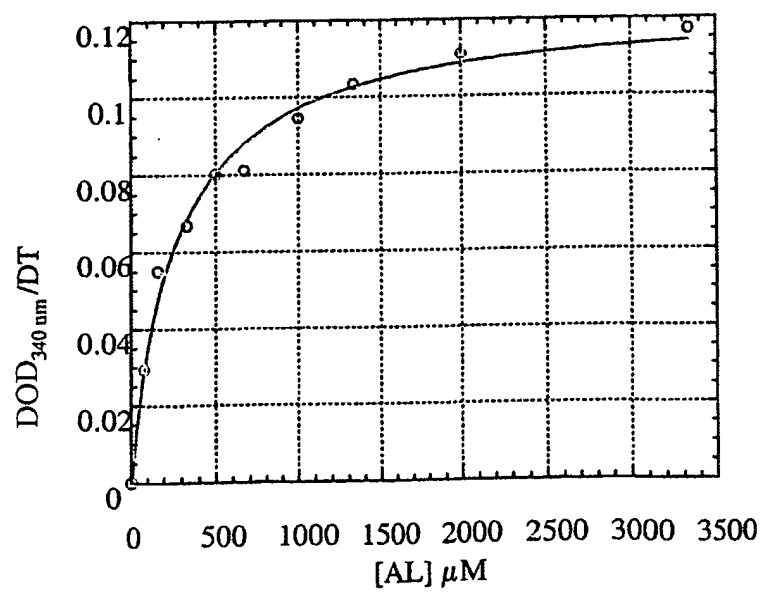


Fig.4

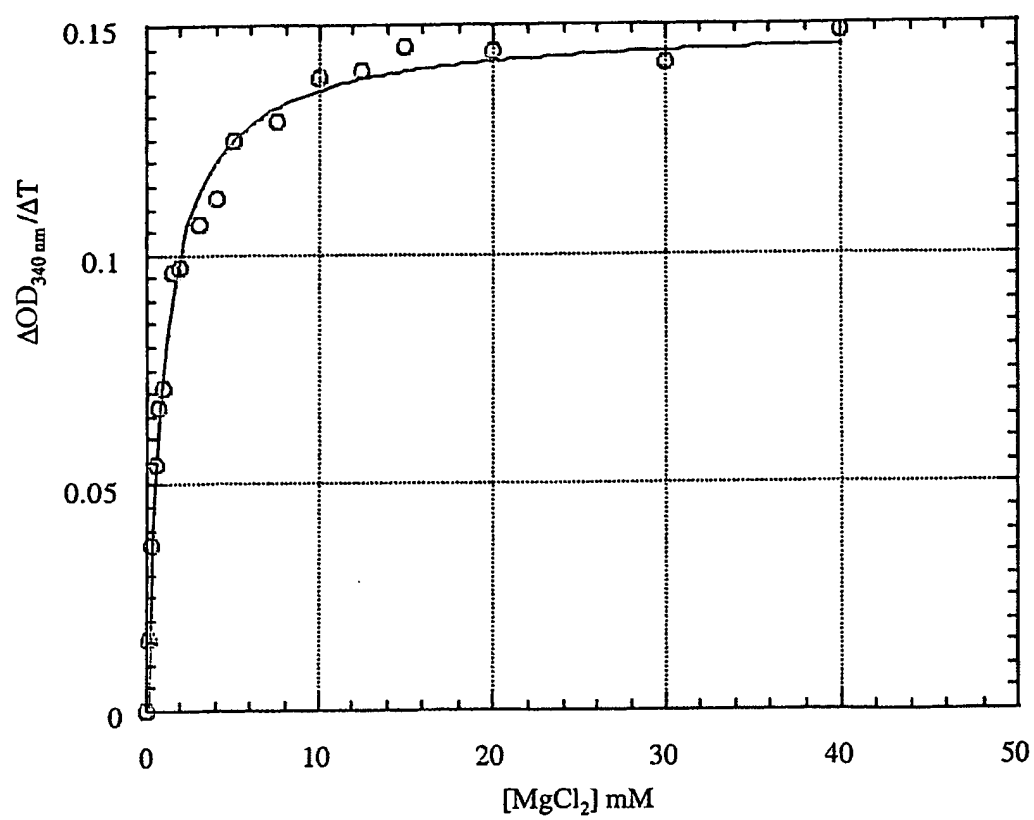
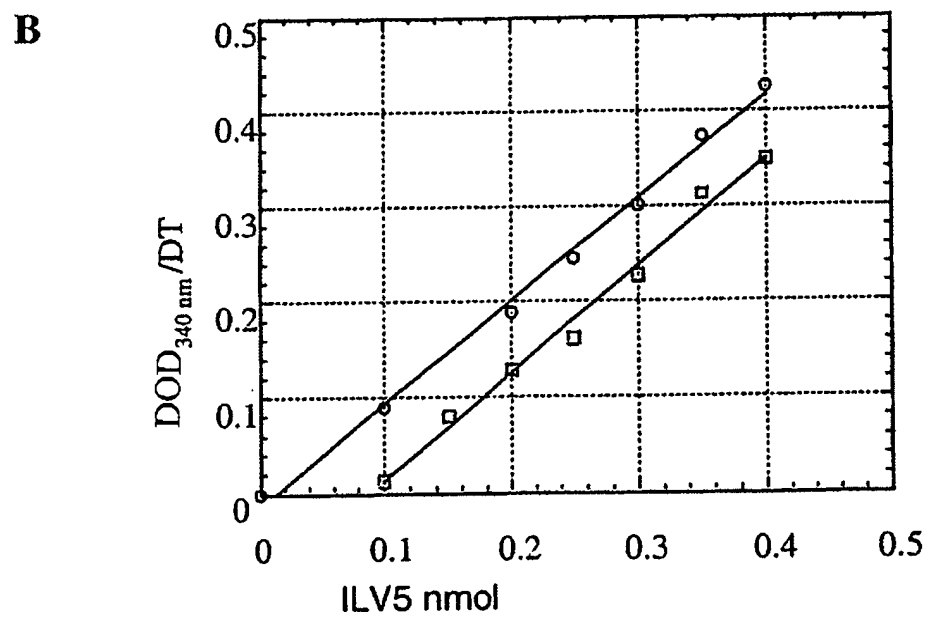
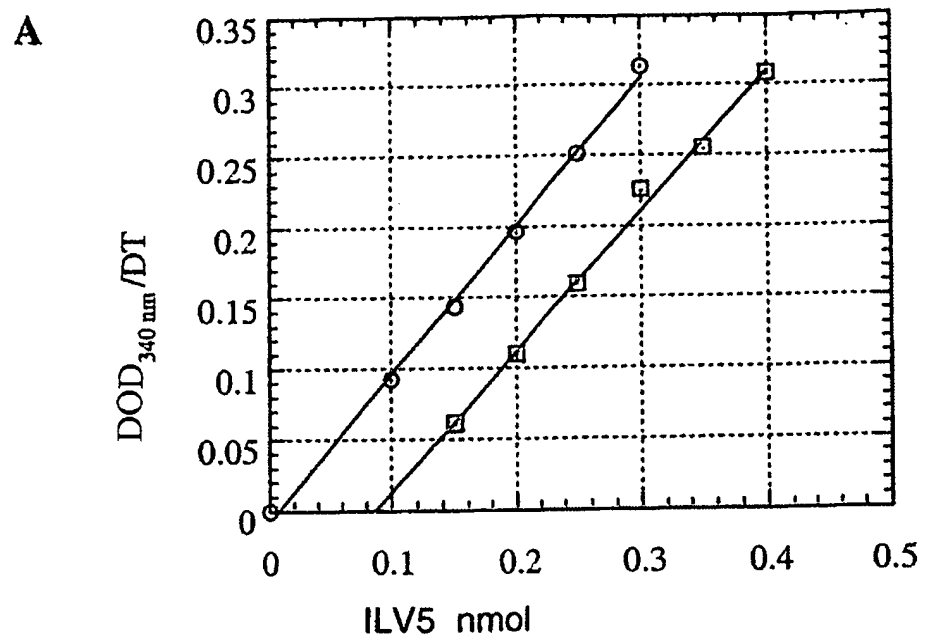


Fig.5



○ control

Fig. 6

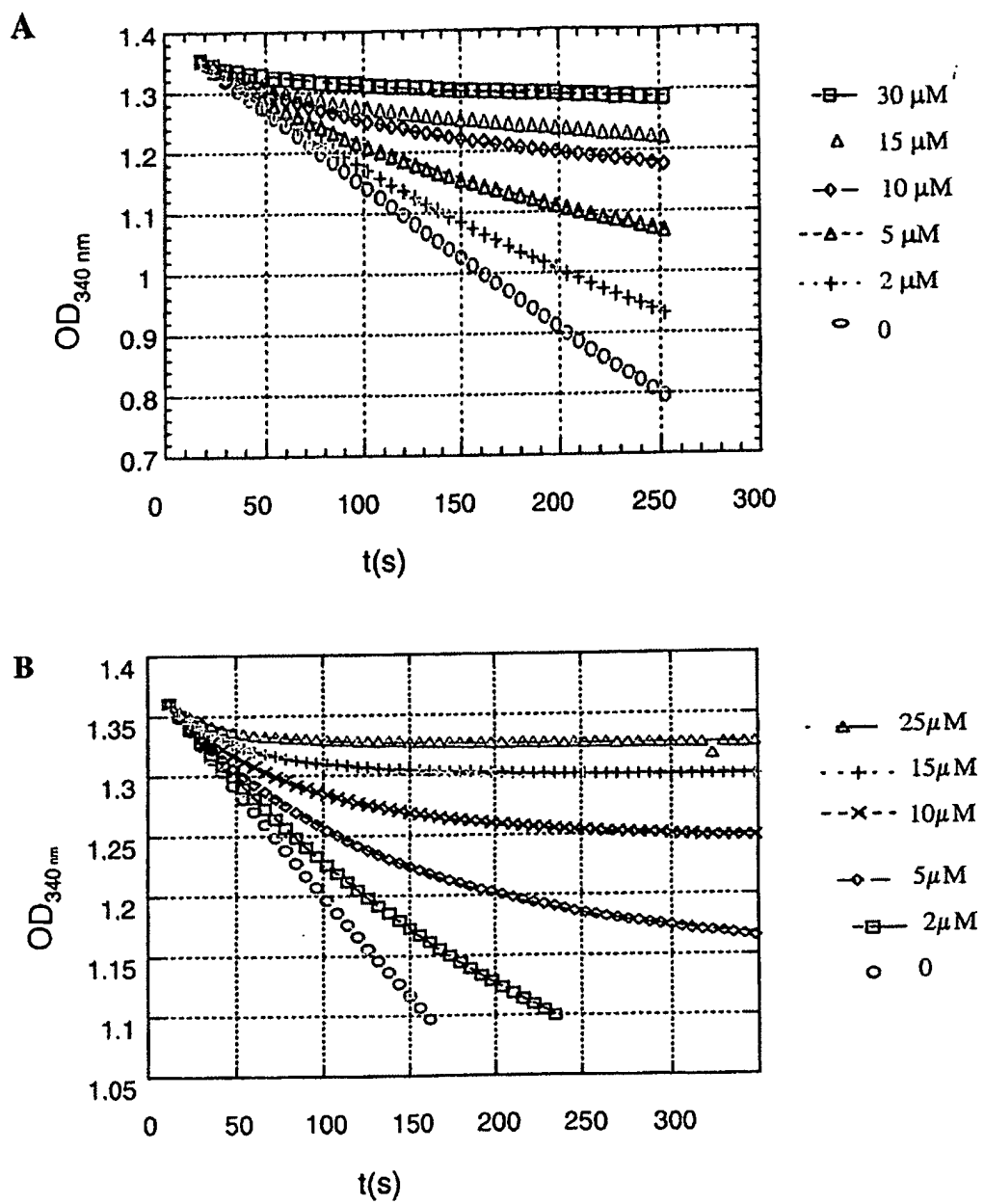


Fig.7

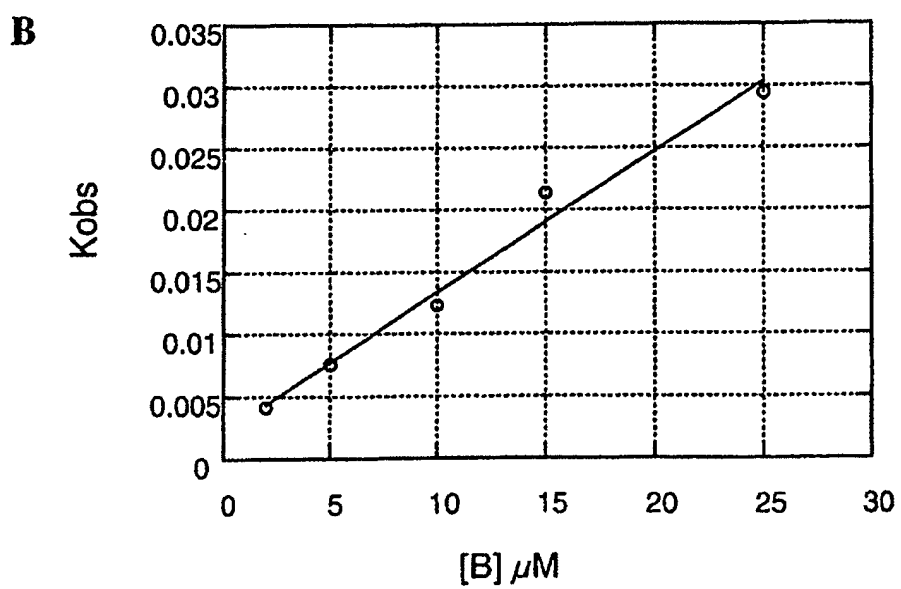
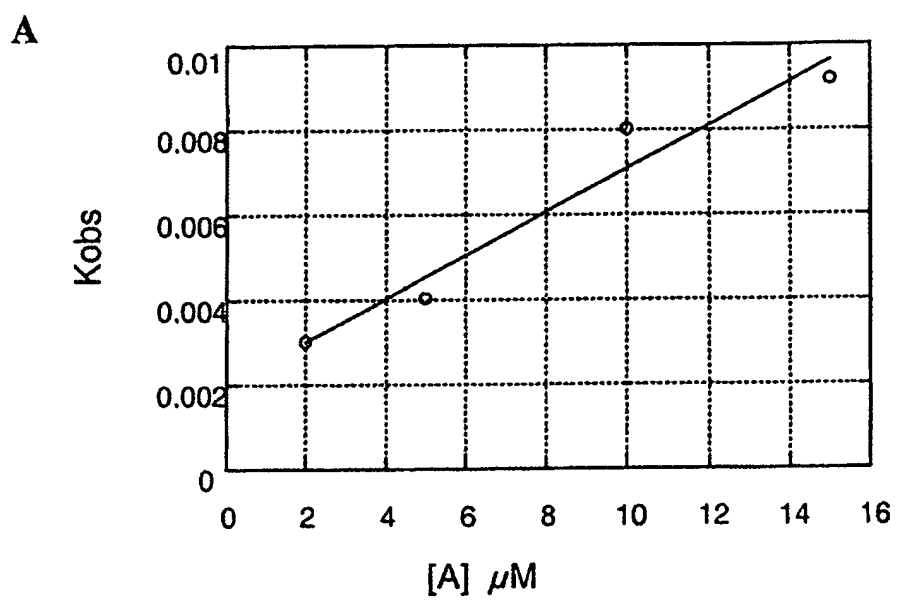
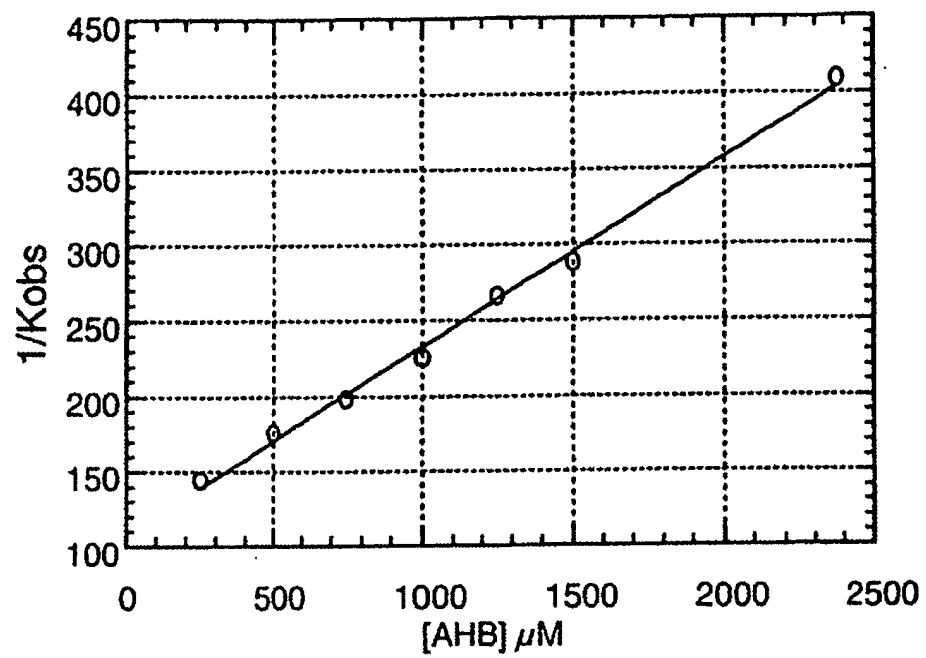
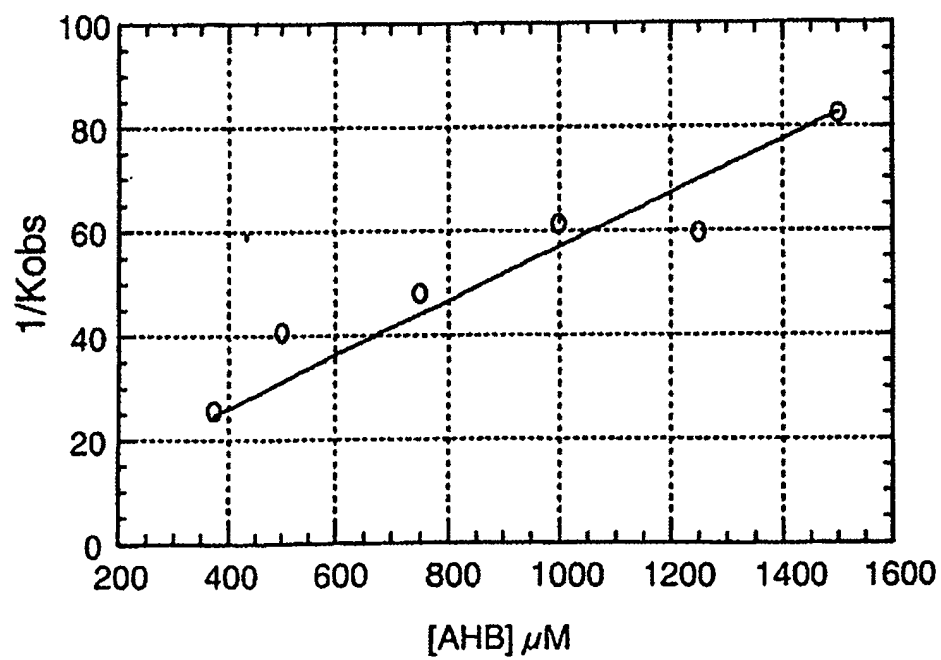


Fig. 8

A**B****Fig. 9**